

What is Claimed is:

1. A method for producing a 34 kDa truncated plasmin proteolytic protein comprising combining plasminogen and
5 rPAI-1₂₃ for a specified amount of time and adding uPA so that a 34 kDa truncated plasmin proteolytic protein is produced.
2. A 34 kDa truncated plasmin proteolytic protein produced by the method of claim 1.
- 10 3. A method for modulating the expression of a membrane type 1-matrix metalloproteinase comprising administering an effective amount of an plasminogen activator inhibitor type 1 isoform lacking a reactive center loop and containing a complete heparin-binding
15 domain or lacking at least a portion of a heparin-binding domain so that the expression of a membrane type 1-matrix metalloproteinase is modulated.
4. The method of claim 3, wherein the plasminogen activator inhibitor type isoform contains the heparin-
20 binding domain and increases expression of a membrane type 1-matrix metalloproteinase.
5. The method of claim 3, wherein the plasminogen activator inhibitor type isoform lacks a portion of the heparin-binding domain and decreases expression of a
25 membrane type 1-matrix metalloproteinase.